

NIKHEF is the national institute for subatomic physics in the Netherlands, in which the funding agency FOM, the Universiteit van Amsterdam, the Vrije Universiteit in Amsterdam, the Radboud Universiteit in Nijmegen and the Universiteit Utrecht participate. The institute co-ordinates and supports major activities in experimental subatomic physics in the Netherlands.

NIKHEF participates in the preparation of experiments at the Large Hadron Collider at [CERN](#), specifically in Atlas, LHCb and Alice. NIKHEF is also actively involved in experiments in the USA (D0 at [FNAL](#), BaBar at [SLAC](#) and STAR at [RHIC](#)), and Germany at [DESY](#) (Zeus, Hermes). Astroparticle physics is an integral part of NIKHEF's scientific programme, in particular through participation in the Antares deep-sea neutrino detector project. Moreover, participations in ultra-high energy cosmic ray experiments and gravitational wave detectors are being explored. Detector R&D and data-analysis take place at the NIKHEF laboratory located in [Science Park Amsterdam](#) as well as at the participating universities. NIKHEF has a theory group with an independent research programme and which maintains close contacts with the experimental groups.

The academic staff consists of about 120 physicists of whom more than half are Ph.D. students and postdoctoral fellows. Technical support is provided by well equipped mechanical engineering, electronic engineering and information technology departments with a total staff of about 100.

NIKHEF is searching for candidates for permanent positions in

experimental particle and astroparticle physics

Specific requirements

Candidates should have an international reputation in research and should have at least several years of post-doctoral experience. The successful applicant is expected to join the present experimental programme in Astroparticle Physics (notably Antares) or B-physics (notably LHCb).

General requirements

Candidates should have both broad and deep knowledge of physics. Further qualifications include: creativity, competence in detection techniques and knowledge of modern information technology. The successful candidate has excellent communication skills, ability for team work and leadership capability.

Information

Information about the scientific and educational activities at NIKHEF can be found at: <http://www.nikhef.nl/>. Further information about

- the Astroparticle Physics programme can be obtained from Prof. dr. G. van der Steenhoven (telephone: +31 205922145 / E-mail: gerard@nikhef.nl).
- the B-physics programme from Prof. dr. M.H.M. Merk (telephone +31 205925107 / E-mail: marcel.merk@nikhef.nl)

Applications

Letters of application, including curriculum vitae, list of publications, the names of at least three references and the experimental programme you are interested in, are to be sent before January 15th, 2006 to Mr. T. van Egdom, P.O. Box 41882, 1009 DB Amsterdam, the Netherlands (or by E-mail: teusve@nikhef.nl).

All qualified individuals are encouraged to apply.